

Amendments to the Claims

1. (amended) A tungsten-containing fuel cell catalyst comprising an electrochemically activated tungstate catalyst supported on a carbon support ~~having a surface layer containing tungsten~~, the tungsten-containing catalyst generating a power output which is greater than about 20 percent of a power output of an equivalently prepared platinum catalyst when operating under the same conditions using an electrochemical oxidation of hydrogen.
2. (original) The tungsten-containing catalyst of claim 1 wherein the power output of the tungsten-containing catalyst is greater than about 40% of the power output of the platinum catalyst.
3. (original) The tungsten-containing catalyst of claim 1 wherein the power output of the tungsten-containing catalyst is greater than about 80% of the power output of the platinum catalyst.
4. (original) The tungsten-containing catalyst of claim 1 wherein the power output of the tungsten-containing catalyst is about 100% of the power output of the platinum catalyst.
5. (amended) A tungsten-containing fuel cell catalyst comprising an electrochemically activated tungstate catalyst supported on a carbon support ~~having a surface layer containing tungsten~~, the tungsten-containing catalyst in a hydrogen:air PEM fuel cell having a single 5 cm² cell producing a cell voltage of about 0.75 volts at a 1000 ohm load.
6. (amended) A tungsten-containing fuel cell catalyst comprising an electrochemically activated tungstate supported on a carbon support ~~having a surface layer containing tungsten~~, the tungsten-containing catalyst producing a potential of about 0.25 volts at current densities of between about 2 to about 6 mA/cm² at a temperature of about 25°C and a pressure of about 1 atmosphere.

7. (original) The tungsten-containing catalyst of claim 6 wherein the potential is measured in a hydrogen:air fuel cell having an anode made with the tungsten-containing catalyst and a cathode made with a platinum catalyst.

8. (original) The tungsten-containing catalyst of claim 1 wherein the tungsten-containing catalyst has a tungsten loading of about 20 weight percent tungsten.

9. (original) The tungsten-containing catalyst of claim 1 wherein the tungsten-containing catalyst has a tungsten loading of about 40 weight percent tungsten.

Claims 10-39 (cancelled).

40. (new) The tungsten-containing catalyst of claim 1 wherein the tungstate is ammonium metatungstate, sodium tungstate, or tungstic acid.

41. (new) The tungsten-containing catalyst of claim 1 wherein the tungstate is ammonium metatungstate.

42. (new) The tungsten-containing catalyst of claim 5 wherein the tungstate is ammonium metatungstate, sodium tungstate, or tungstic acid.

43. (new) The tungsten-containing catalyst of claim 5 wherein the tungstate is ammonium metatungstate.

44. (new) The tungsten-containing catalyst of claim 6 wherein the tungstate is ammonium metatungstate, sodium tungstate, or tungstic acid.

45. (new) The tungsten-containing catalyst of claim 6 wherein the tungstate is ammonium metatungstate.